SC264 Guide

System 5

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Guide Part Number 9329-65145-00 REV A 08/11

Documentation Feedback

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Chapter 1: Introduction to the SC264

The SC264 is the System Control Computer for the post-production versions of the System 5 and MaxAir families.

Features of the SC264 include:

- 4U rack-mountable chassis
- Machine control
- GPIO (TT002)
- Mic and monitoring communication control
- Redundant power supplies

System Requirements and Compatibility

Avid can only assure compatibility and provide support for hardware and software it has tested and approved.

For complete system requirements and a list of qualified computers, operating systems, hard drives, and third-party devices, visit *www.avid.com/compatibility*.

About This Guide

This guide provides a basic overview of SC264 features and functionality.

For complete instructions on connecting and configuring your system, see the *System 5 Installation Guide*.

Conventions Used in This Guide

All of our guides use the following conventions to indicate menu choices and key commands:

Convention	Action
File > Save	Choose Save from the File menu
Control+N	Hold down the Control key and press the N key
Control-click	Hold down the Control key and click the mouse button
Right-click	Click with the right mouse button

The names of Commands, Options, and Settings that appear on-screen are in a different font.

The following symbols are used to highlight important information:

User Tips are helpful hints for getting the most from your system.

Important Notices include information that could affect your data or the performance of your system.

Shortcuts show you useful keyboard or mouse shortcuts.

Cross References point to related sections in this guide and other Avid guides.

About www.avid.com

The Avid website (www.avid.com) is your best online source for information to help you get the most out of your system. The following are just a few of the services and features available.

Product Registration Register your purchase online.

Support and Downloads Contact Avid Customer Success (technical support); download software updates and the latest online manuals; browse the Compatibility documents for system requirements; search the online Knowledge Base or join the worldwide Avid user community on the User Conference.

Training and Education Study on your own using courses available online or find out how you can learn in a classroom setting at a certified Avid training center.

Products and Developers Learn about Avid products; download demo software or learn about our Development Partners and their plug-ins, applications, and hardware.

News and Events Get the latest news from Avid or sign up for a demo.

Chapter 2: SC264 Features

Front Panel

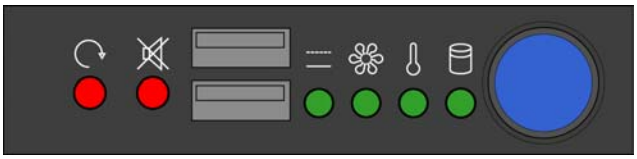
SC264 Front Panel

Front Panel Elements

Power Switch and Status Indicators See Status Module below.

Software Status Indicator The blue wave icon in the Euphonix logo lights up to indicate the software in the SC264 is operating correctly.

Status Module



Detail of Status Module on Front Panel

System Reset Switch Forces a manual reset of the SC264.

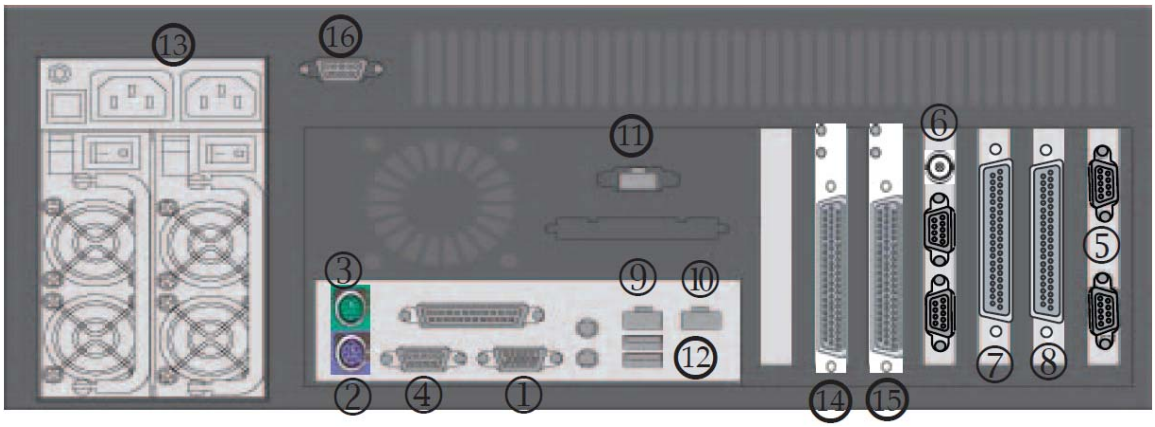
Alarm Cancel Switch Cancels the audible hardware fault alarm.

USB Ports Connect a USB storage device to update software

LED Status Indicators Indicates the status, from left to right, of the power supply, cooling fans, temperature, and file system activity. Healthy status is indicated by a green light; a fault is indicated by a red light.

Power Switch Turns the unit on or off.

Back Panel



SC264 Back Panel

1. VGA Connector (DA-15)

Main video monitor connection.

2. Keyboard (PS/2)

Main keyboard connection.

3. Mouse (PS/2)

Main trackball connection.

4. Serial Port 1 (DE-9)

- Com1: not used.
- Com2: wired internally to the SNMP board's Com port.

5. Serial Port 2 (DE-9, top) and Serial Port 3 (DE-9, bottom)

Com3 and Com4: not used.

6. TT002 (75-ohm BNC, DE-9 female, DE-9 male)

- BNC port is for Bi/Tri-Level Video input.
- DE-9 female is for RS422 (Sony 9-pin).
- DE-9 male is for MIDI Machine Control and Timecode I/O (via breakout cable).

7. GPIO Port 1 (DC-37)

GP Inputs and Outputs 1 to 16

8. GPIO Port 2 (DC-37)

GP Inputs and Outputs 17 to 32.

9. LAN Port 1 (Onboard RJ45)

Connect to EuCon Network Switch via RJ45 (provided).

10. LAN Port 2 (Auxiliary RJ45)

Optional connection for external network.

11 SNMP LAN Port (RJ45)

Connect this port to a network with SNMP monitoring or e-mail services to enable the hardware monitoring system to report errors.

12. USB Ports

Connect the USB MIDI Interface to one of these ports. Connect a USB memory device to one of these ports for file backup, application installations or updates.

13. Power Connectors (IEC) Accepts two standard IEC power cords (provided). Two auto ranging switching supplies accept voltages between 100-240 VAC, 50-60 Hz.

14. TCC Main Port (DC-62)

Connect a TCC breakout cable (provided) to this port. This cable breaks out to four DA-15 connectors that provide control hookup for the MC524 Monitor Interface and three ML530 Mic/Line Interfaces.

15. TCC Extension Port (DC-62, optional)

Connect a second TCC breakout cable to this port to connect up to four additional ML530 Mic/Line Interfaces.

16. SNMP Serial Port (DE-9)

This port is used to configure the SNMP card from another computer.

Connecting the SC264

Connect the machine room KVM extender (transmitter end) to the VGA, keyboard, and mouse connectors on the back panel of the SC264. A second KVM extender (receiver end) should be installed at the control surface, close to where the Emix monitor, keyboard and mouse are to be located. MaxAir systems have the receiver end inside the CM404. The KVM extenders are connected by a single CAT5 cable built into the console Ethernet harness (provided).

SC264 Technical Specifications

Power Requirements	100-250 VAC; 50 or 60 Hz (Auto-ranging)
Power Consumption	200W
Temperature of Operation	5-35 ºC
Dimensions	177mm W 482mm L 482mm
Weight	20 kg
Heat Dissipation	685 BTU/hr

Appendix A: Compliance Information

Environmental Compliance

Disposal of Waste Equipment by Users in the European Union

This symbol on the product or its packaging indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.

Proposition 65 Warning

⚠ *This product contains chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.*

Perchlorate Notice

This product may contain a lithium coin battery. The State of California requires the following disclosure statement: "Perchlorate Material – special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate."

Recycling Notice

EMC (Electromagnetic Compliance)

Avid declares that this product complies with the following standards regulating emissions and immunity:

- FCC Part 15 Class A
- EN55103-1 E4
- EN55103-2 E4
- AS/NZS CISPR 22 Class A
- CISPR 22 Class A

FCC Compliance for United States

Communication Statement

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any modifications to the unit, unless expressly approved by Avid, could void the user's authority to operate the equipment.

Australian Compliance

Canadian Compliance

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le material brouilleur du Canada.

CE Compliance

(EMC and Safety)

Avid is authorized to apply the CE (Conformité Européenne) mark on this compliant equipment thereby declaring conformity to EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC.

Safety Compliance

Safety Statement

This equipment has been tested to comply with USA and Canadian safety certification in accordance with the specifications of UL Standards:
UL 60950-1:2007, 2nd Ed and CAN/CSA-22.2 No. 60950-1-07, 2nd Ed.
Avid Inc., has been authorized to apply the appropriate NRTL mark on its compliant equipment.

Warning

Important Safety Instructions

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this equipment near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other equipment (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect power cords from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the equipment.

11) Only use attachments/accessories specified by the manufacturer.

12) For products that are not rack-mountable: Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the equipment. When a cart is used, use caution when moving the cart/equipment combination to avoid injury from tip-over.

13) Unplug this equipment during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped.

15) For products that are a Mains powered device:
The equipment shall not be exposed to dripping or splashing and no objects filled with liquids (such as vases) shall be placed on the equipment.

Warning! To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

16) For products containing a lithium battery:
CAUTION! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

17) For products with a power switch:
It should remain accessible after installation.

18) The equipment shall be used at a maximum ambient temperature of 40° C.

19) This unit is provided with a power supply cord set suitable for 120V AC input only (for U.S.A.and Canada). For other than U.S.A. and Canada, a qualified person must provide for use with this unit, an appropriate, approved power supply cord set which is in compliance with the end use country requirements and has a minimum cross-sectional area of 1.0mm2.

20) For units with more than one power cord:

CAUTION: This unit has more than one power supply cord. Disconnect two power supply cords before servicing to avoid electrical shock.

ATTENTION: Cet appareil comporte plus d'un cordon d'alimentation. Afin de prévenir les chocs électriques, débrancher les deux cordons d'alimentation avant de faire le dépannage.

21) For products with an operator-accessible fuse:

CAUTION: For continued protection against risk of fire, replace only with same type and rating of fuse.

ATTENTION: Pour ne pas compromettre la protection contre les risques d'incendie, remplacer par un fusible de même type et de même caractéristiques nominales.

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Product Information
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